

Welcome to STN International! Enter x:x

LOGINID:ssspal200exs

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Apr 08 "Ask CAS" for self-help around the clock
NEWS 3 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4 Apr 09 ZDB will be removed from STN
NEWS 5 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and
IFIUDB
NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
NEWS 13 Jul 22 USAN to be reloaded July 28, 2002;
saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:45:18 ON 06 SEP 2002

=> le reg

LE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 15:45:29 ON 06 SEP 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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STRUCTURE FILE UPDATES: 5 SEP 2002 HIGHEST RN 447396-35-2

DICTIONARY FILE UPDATES: 5 SEP 2002 HIGHEST RN 447396-35-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>

Uploading 10004101.str

L1 STRUCTURE UPLOADED

=> is l1

IS IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l1

SAMPLE SEARCH INITIATED 15:45:57 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 53 TO ITERATE

100.0% PROCESSED

53 ITERATIONS

2 ANSWERS

Page 3

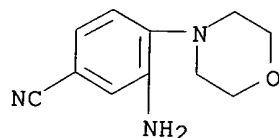
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 624 TO 1496
PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> d 12 1-2

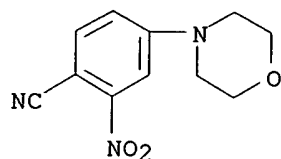
L2 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2002 ACS
RN 59504-49-3 REGISTRY
CN Benzonitrile, 3-amino-4-(4-morpholinyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzonitrile, 3-amino-4-morpholino- (7CI)
FS 3D CONCORD
MF C11 H13 N3 O
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1967 TO DATE)
4 REFERENCES IN FILE CAPLUS (1967 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2002 ACS
RN 28340-71-8 REGISTRY
CN Benzonitrile, 4-(4-morpholinyl)-2-nitro- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzonitrile, 4-morpholino-2-nitro- (8CI)
OTHER NAMES:
CN 2-Cyano-5-morpholino-1-nitrobenzene
CN 2-Cyano-5-morpholinonitrobenzene
FS 3D CONCORD
MF C11 H11 N3 O3
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, IFICDB, IFIPAT, IFIUDB,
USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1967 TO DATE)
5 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> s l1 full

FULL SEARCH INITIATED 15:46:39 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 980 TO ITERATE

100.0% PROCESSED 980 ITERATIONS
SEARCH TIME: 00.00.01

44 ANSWERS

L3 44 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

143.82

144.03

FILE 'CAPLUS' ENTERED AT 15:46:57 ON 06 SEP 2002

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FILE COVERS 1907 - 6 Sep 2002 VOL 137 ISS 11

FILE LAST UPDATED: 5 Sep 2002 (20020905/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> s 13

L4 68 L3

=> s transition metal complex

761328 TRANSITION

1357070 METAL

1021530 COMPLEX

L5 8608 TRANSITION METAL COMPLEX
(TRANSITION (W) METAL (W) COMPLEX)

=> s 14 and 15

L6 1 L4 AND L5

=> d 16 ibib abs hitstr

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1981:596503 CAPLUS

DOCUMENT NUMBER: 95:196503

TITLE: Phthalocyanines and related compounds. XIX. Tetra- and octaamino-substituted phthalocyanines
AUTHOR(S): Mikhailenko, S. A.; Derkacheva, V. M.; Luk'yanets, E. A.

CORPORATE SOURCE: Nauchno-Issled. Inst. Org. Poluprod. Krasitelei, Moscow, USSR

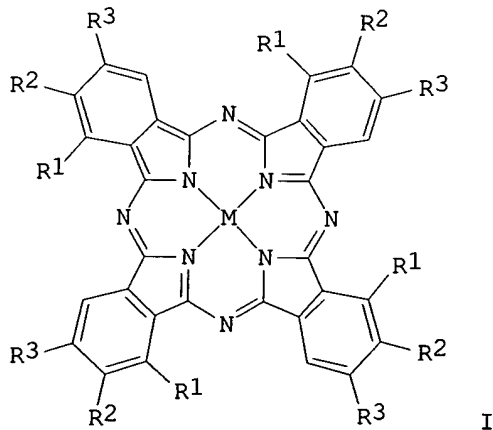
SOURCE: Zh. Obshch. Khim. (1981), 51(7), 1650-7

CODEN: ZOKHA4; ISSN: 0044-460X

DOCUMENT TYPE: Journal

LANGUAGE: Russian

GI



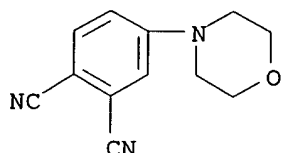
AB Dialkylamino-substituted phthalonitriles were prepd. and they reacted with

metal salts in the presence of urea to give I ($R_1 = R_3 = H$, $R_2 = NH_2$ or

R_2

$= H$, $R_3 = \text{tert-Bu}$, $R_1 = NO_2$, NH_2 , $M = Cu$, VO , Co ; $R_2 = R_3 = H$, $R_1 = NMe_2$ or $R_1 = H$, $R_2 = R_3 = NMe_2$, $M = Co$, VO ; $R_1 = R_3 = H$, $R_2 = \text{piperidyl}$, $M = VO$, Co ; $R_2 = H$, $R_3 = \text{tert-Bu}$, $R_1 = NMe_2$, $M = Cu$, Zn , VO , Co). The

complexes and phthalonitriles were characterized by electronic spectra.
 IT 79319-36-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 79319-36-1 CAPLUS
 CN 1,2-Benzenedicarbonitrile, 4-(4-morpholinyl)- (9CI) (CA INDEX NAME)



=> s transition metal catalyst
 761328 TRANSITION
 1357070 METAL
 596748 CATALYST
 L7 2292 TRANSITION METAL CATALYST
 (TRANSITION (W) METAL (W) CATALYST)

=> s l4 and l7
 L8 4 L4 AND L7

=> d l8 1-4 ibib abs hitstr

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 2002:122863 CAPLUS
 DOCUMENT NUMBER: 136:185757
 TITLE: Catalyst for aromatic or vinylic C-O, C-N, and C-C
 bond formation
 INVENTOR(S): Hartwig, John F.; Shelby, Quinetta; Kataoka, Noriyasu
 PATENT ASSIGNEE(S): Yale University, USA
 SOURCE: PCT Int. Appl., 78 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002011883	A1	20020214	WO 2001-US24633	20010806
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.:

US 2000-223507P P 20000807

US 2001-922525 A 20010803

OTHER SOURCE(S): MARPAT 136:185757

AB A transition metal catalyst, comprises a

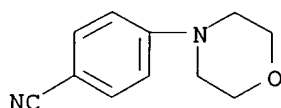
Group 8 metal and a ferrocenyl ligand having PR₂ and/or R_{2m}, and R_{1n} substitution, where R, R₁ and R₂ = org. groups having 1-15 C atoms, n = 1-5, and m = 0-4. The catalyst and the method of using the catalyst are advantageous in prepn. of compds. under mild conditions of approx. room temp. and pressure.

IT 10282-31-2P, N-(4-Cyanophenyl)morpholine

RL: IMF (Industrial manufacture); PREP (Preparation)
(catalyst for arom. or vinylic C-O, C-N, and C-C bond formation under mild conditions)

RN 10282-31-2 CAPLUS

CN Benzonitrile, 4-(4-morpholinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:772171 CAPLUS

DOCUMENT NUMBER: 135:318588

TITLE: Biaryl phosphine and amine ligands for improved
transition metal-catalyzed processes

INVENTOR(S): Buchwald, Stephen L.; Old, David W.; Wolfe, John P.;
Palucki, Michael; Kamikawa, Ken

PATENT ASSIGNEE(S): Massachusetts Institute of Technology, USA

SOURCE: U.S., 55 pp., Cont.-in-part of U.S. Ser. No. 113,478.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

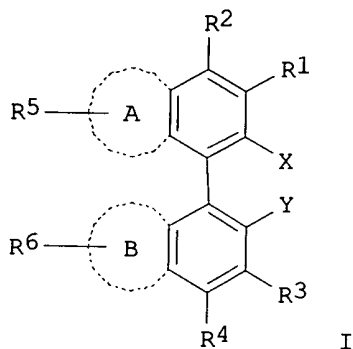
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6307087	B1	20011023	US 1999-231315	19990113
US 6395916	B1	20020528	US 1998-113478	19980710
WO 2000002887	A2	20000120	WO 1999-US15450	19990709
WO 2000002887	A3	20000629		
W: CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1097158	A2	20010509	EP 1999-933785	19990709
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002520328	T2	20020709	JP 2000-559117	19990709
PRIORITY APPLN. INFO.:			US 1998-113478	A2 19980710

US 1998-196855 A 19981120
 US 1999-231315 A 19990113
 US 1999-239024 A 19990127
 WO 1999-US15450 W 19990709

OTHER SOURCE(S):
 GI

CASREACT 135:318588; MARPAT 135:318588



AB The present invention relates to the prepn. of novel biaryl phosphine and amine ligands (I) [wherein A and B = independently fused monocyclic or polycyclic cycloalkyl, cycloalkenyl, aryl, or heterocyclic rings of 4-8 atoms; X = NR₂, PR₂, AsR₂, OR, or SR; Y = NR₂, PR₂, AsR₂, OR, SR, SiR₃, alkyl, or H; R-R₆ = independently H, halogen, (hetero)alkyl, alkenyl, alkynyl, hydroxy, alkoxy, silyloxy, amino, nitro, sulfhydryl, amide, carbonyl, ketone, anhydride, silyl, thioalkyl, ketone, ester, nitrile, (hetero)aryl, etc.] for transition metals and their use in metal-catalyzed

carbon-heteroatom and carbon-carbon bond-forming reactions. Unexpected improvements over the prior art were demonstrated in transition metal-catalyzed aryl amination reactions, Suzuki couplings giving both biaryl and alkylaryl products, arylations and vinylations at the position .alpha. to carbonyl groups, and carbon-oxygen bond formation. The ligands

and methods of the invention enable transformations utilizing aryl chlorides and bromides at room temp. at synthetically useful rates with extremely small amts. of catalyst relative to the limiting reagent. For example, coupling of p-chlorobenzonitrile and morpholine was catalyzed by 2.5 mol% Pd₂(dba)₃, 7.5 mol% of 2-(N,N-dimethylamino)-2'-(dicyclohexylphosphino)biphenyl, and NaOBu-t in DME at room temp. to provide 4-(4-morpholinyl)benzonitrile in 96% yield. Thus, the subject processes provide improvements in many features of the transition metal-catalyzed reactions, including the range of suitable substrates, reaction conditions, and efficiency.

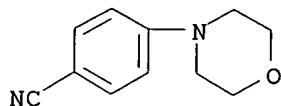
IT 10282-31-2P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(biaryl phosphine and amine ligands for improved transition metal-catalyzed processes)

RN 10282-31-2 CAPLUS

CN Benzonitrile, 4-(4-morpholinyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 131 THERE ARE 131 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:53646 CAPLUS

DOCUMENT NUMBER: 132:108101

TITLE: Biaryl phosphine and amine ligands for improved transition metal-catalyzed processes

INVENTOR(S): Buchwald, Stephen; Old, David W.; Wolfe, John P.; Palucki, Michael; Kamikawa, Ken; Chieffi, Andrew; Sadighi, Joseph P.; Singer, Robert A.; Ahman, Jens

PATENT ASSIGNEE(S): Massachusetts Institute of Technology, USA

SOURCE: PCT Int. Appl., 397 pp.

CODEN: PIXXD2

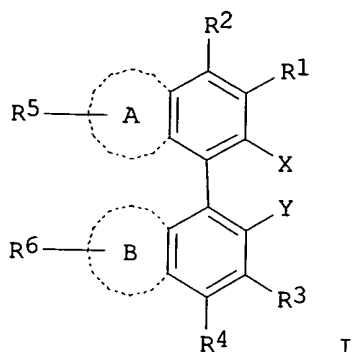
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000002887	A2	20000120	WO 1999-US15450	19990709
WO 2000002887	A3	20000629		
W: CA, JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 6395916	B1	20020528	US 1998-113478	19980710
US 6307087	B1	20011023	US 1999-231315	19990113
EP 1097158	A2	20010509	EP 1999-933785	19990709
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002520328	T2	20020709	JP 2000-559117	19990709
PRIORITY APPLN. INFO.:				
			US 1998-113478	A 19980710
			US 1998-196855	A 19981120
			US 1999-231315	A 19990113
			US 1999-239024	A 19990127
			WO 1999-US15450	W 19990709
OTHER SOURCE(S): MARPAT 132:108101				
GI				



AB The present invention relates to the prepn. of novel biaryl phosphine and amine ligands (I) [wherein A and B = independently fused monocyclic or polycyclic cycloalkyl, cycloalkenyl, aryl, or heterocyclic rings of 4-8 atoms; X = NR₂, PR₂, AsR₂, OR, or SR; Y = NR₂, PR₂, AsR₂, OR, SR, SiR₃, alkyl, or H; R-R₆ = independently H, halogen, (hetero)alkyl, alkenyl, alkynyl, hydroxy, alkoxy, silyloxy, amino, nitro, sulfhydryl, amide, carbonyl, ketone, anhydride, silyl, thioalkyl, ketone, ester, nitrile, (hetero)aryl, etc.] for transition metals and their use in metal-catalyzed

carbon-heteroatom and carbon-carbon bond-forming reactions. Unexpected improvements over the prior art were demonstrated in transition metal-catalyzed aryl amination reactions, Suzuki couplings giving both biaryl and alkylaryl products, arylations and vinylations at the position .alpha. to carbonyl groups, and carbon-oxygen bond formation. The ligands

and methods of the invention enable transformations utilizing aryl chlorides and bromides at room temp. at synthetically useful rates with extremely small amts. of catalyst relative to the limiting reagent. For example, coupling of p-chlorobenzonitrile and morpholine was catalyzed by 2.5 mol% Pd₂(dba)₃, 7.5 mol% of 2-(N,N-dimethylamino)-2'-(dicyclohexylphosphino)biphenyl, and NaOBu-t in DME at room temp. to provide 4-(4-morpholinyl)benzonitrile in 96% yield. Thus, the subject processes provide improvements in many features of the transition metal-catalyzed reactions, including the range of suitable substrates, reaction conditions, and efficiency.

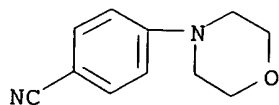
IT **10282-31-2P**, N-(4-Cyanophenyl)morpholine

RL: SPN (Synthetic preparation); PREP (Preparation)

(synthetic product; prepn. of biaryl phosphine and amine ligands for improved palladium-catalyzed amination reactions, Suzuki couplings, arylations, vinylations, and carbon-oxygen bond formation reactions)

RN 10282-31-2 CAPLUS

CN Benzonitrile, 4-(4-morpholinyl)- (9CI) (CA INDEX NAME)



L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:650086 CAPLUS

DOCUMENT NUMBER: 129:275692

TITLE: Metal-catalyzed amination of organic sulfonates to organic amines

INVENTOR(S): Hartwig, John F.; Driver, Michael S.; Louie, Janis; Hamann, Blake

PATENT ASSIGNEE(S): Yale University, USA

SOURCE: U.S., 11 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5817877	A	19981006	US 1997-933658	19970919

OTHER SOURCE(S): MARPAT 129:275692

AB A process of prepg. an org. amine having at least one unsatd. group, such as an arylamine, involving contacting an unsatd. org. sulfonate, such as an aryl sulfonate, with a reactant amine, such as an alkyl or aryl amine, in the presence of a base and a **transition metal catalyst** under reaction conditions. The **transition metal catalyst** contains a Group 8 metal and a chelating ligand, for example a Group 15-substituted arylene or Group

15-substituted

metallocene, such as 1,1'-bis(diphenylphosphino)-2,2'-binaphthyl or 1,1'-bis(diphenylphosphino)ferrocene, resp. The aryl sulfonate can be prepd. from a phenol and sulfonating agent. E.g., treatment of

4-biphenyl

triflate with aniline and NaOBu-tert in the presence of bis(dibenzylideneacetone)palladium and

1,1'-bis(diphenylphosphino)ferrocene

e in toluene gave 99% 4-PhC₆H₄NHPh. Among the approx. 20 compds. similarly prepd. were 94% 4-MeOC₆H₄NHPh, 95% 2-MeC₆H₄NHPh, 98% N-phenyl-2-naphthylamine, 95% 4-NCC₆H₄NHBu, and 91% 2-morpholinonaphthalene.

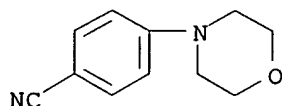
IT 10282-31-2P, 4-(4-Cyanophenyl)morpholine

RL: SPN (Synthetic preparation); PREP (Preparation)

(transition metal-catalyzed amination of org. sulfonates to org. amines)

RN 10282-31-2 CAPLUS

CN Benzonitrile, 4-(4-morpholinyl)- (9CI) (CA INDEX NAME)

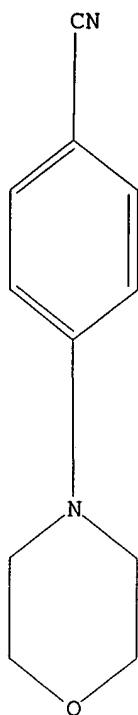


=> d 11

L1 HAS NO ANSWERS

L1

STR



Structure attributes must be viewed using STN Express query preparation.

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

35.27

179.30

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-3.10

-3.10

STN INTERNATIONAL LOGOFF AT 15:52:37 ON 06 SEP 2002

